SONY

4-468-403-**13**(1)

# Personal Audio System









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XDR-DS21BT

Before operating the system, please read this guide thoroughly and retain it for

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malfunction may result if used with one • In the Operating Instructions, "iPod" is used as a general reference to functions on an iPhone, iPad or iPod, unless otherwise specified by the text or

### Precautions

Note when using with a mobile phone

• For details on operation of your mobile phone when receiving a telephone call while transmitting the sound using the BLUETOOTH connection, refer to the operating instructions supplied with the mobile phone.

Notes on the AC plug • Plug the AC plug into a nearby wall outlet. In the case of a problem, unplug it from the wall outlet immediately

• Do not twist or place heavy objects on the AC plug cord. To disconnect AC power, grasp the plug itself, not the cord.

 Do not set the speaker in an inclined position • Do not leave the system in a location near heat sources, or in a place subject to direct sunlight, excessive dust, moisture, rain or mechanical shock.

• Do not insert any small objects, etc., into the jacks. The system may short out or malfunction.

On cleaning • Do not use alcohol, benzine, or thinner to clean the cabinet.

• If you have any questions or problems concerning this system that are not

covered in this manual, please consult your nearest Sony dealer.

# What is BLUETOOTH wireless technology?

BLUETOOTH wireless technology is a short-range wireless technology that enables wireless data communication between digital devices, such as a computer and digital camera. BLUETOOTH wireless technology operates within a range of about 10 m. Connecting two devices as necessary is common, but some devices can be connected to multiple devices at the same time You do not need to use a cable for connection, nor is it necessary for the devices to face one another, such is the case with infrared technology. For example, you can use such a device in a bag or pocket. BLUETOOTH standard is an international standard supported by thousands of companies all over the world, and employed by various companies worldwide.

Communication System and Compatible BLUETOOTH Profiles of the system

Profile is standardisation of the function for each BLUETOOTH device specification. The system supports the following BLUETOOTH version and profiles: Communication System: **BLUETOOTH Specification version 3.0** 

Compatible BLUETOOTH Profiles – A2DP (Advanced Audio Distribution Profile): Transmitting or receiving audio content of high-quality.

- AVRCP (Audio Video Remote Control Profile): Controlling A/V equipment; pausing, stopping, or starting playback, etc. HSP (Headset Profile): Talking on the phone/Operating the phone. – HFP (Hands-free Profile): Talking on the phone/Operating the phone by

– SPP (Serial Port Profile): Establishing serial communication with BLUETOOTH

**Maximum communication range** 

Use BLUETOOTH devices within 10 m (line of sight) of the system. Maximum communication range may shorten under the following conditions.

- There is an obstacle such as a person, metal, or wall between the system and - A wireless LAN device is in use near the system.

 A microwave oven is in use near the system - A device that generates electromagnetic radiation is in use near the system.

Interference from other devices Because BLUETOOTH devices and wireless LAN (IEEE802.11b/g) use the same frequency, microwaye interference may occur and resulting in communication

speed deterioration, noise, or invalid connection if the system is used near a wireless LAN device. In such a case, perform the following. - Use the system at least 10 m away from the wireless LAN device. - If the system is used within 10 m of a wireless LAN device, turn off the

Interference to other devices

Microwaves emitting from a BLUETOOTH device may affect the operation of

electronic medical devices. Turn off the system and other BLUETOOTH devices in the following locations, as it may cause an accident. - where inflammable gas is present, in a hospital, train, airplane, or a gas

near automatic doors or a fire alarm

• To be able to use the BLUETOOTH function, the BLUETOOTH device to be connected requires the same profile as the system's. Note also that even if the same profile exists, devices may vary in function depending on their specifications.

• Due to the characteristic of BLUETOOTH wireless technology, the sound played on the system is slightly delayed from the sound played on the BLUETOOTH device during talking on the telephone or listening to the music. • This system supports security capabilities that comply with the BLUETOOTH

standard to provide a secure connection when the BLUETOOTH wireless technology is used, but security may not be enough depending on the setting.

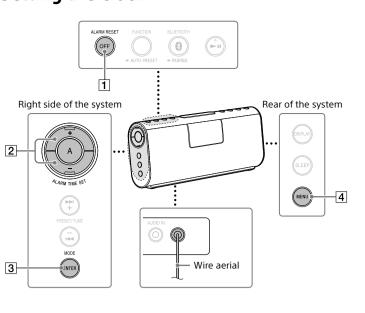
Be careful when communicating using BLUETOOTH wireless technology. • We do not take any responsibility for the leakage of information during BLUETOOTH communication • A device featuring the BLUETOOTH function is required to conform to the

BLUETOOTH standard specified by Bluetooth SIG, and be authenticated. Even if the connected device conforms to the above mentioned BLUETOOTH standard, some devices may not be connected or work correctly, depending on the features or specifications of the device.

• Noise or sound skips may occur depending on the BLUETOOTH device connected with the system, the communication environment or the usage

Getting Started

**Setting the Clock** 

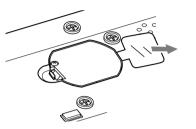


#### Setting the clock for the first time When using the system for the first time, do the following

About the battery as a backup source

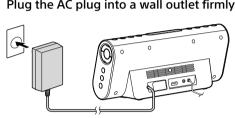
This system contains a CR2032 battery as a backup power source to keep the clock and the alarm operating during a power interruption. (No Power No

1 Remove the insulation film from the backup battery on the bottom of the system.



### **2** Extend the wire aerial fully.

3 Plug the AC plug into a wall outlet firmly



"0:00" or "AM 12:00," and "01-01-2013" flash for about 2 seconds in the display then the system automatically starts scanning, then creates a list of receivable DAB stations. The stations are stored in the list in alphabetical order



When scanning is finished, the system obtains the current time from the DAB data of the first station received. The time and day appear in the display.

• After setting the clock, whenever the system receives a DAB station, the time will be synchronized with the DAB data

• If no stations are found by the DAB scan, "No Station" appears for about 2 seconds, then "0:00" or "AM 12:00" flashes in the display. In this case, the clock needs to be set manually. • If the clock is already running (the time was set manually, or obtained via DAB data before) the system will not scan for DAB stations automatically at power on. • The clock cannot be set via DAB data if the current time is within an hour ahead or behind the start or end of daylight saving time (summer time). In this case, power on the system at another time, or set the clock manually. (See "Setting the clock manually.")

Setting the clock manually

If DAB stations cannot be received (depending on reception conditions or broadcast activity), the clock cannot be set via DAB data.

• The clock cannot be set when you are using the BLUETOOTH, USB, AUDIO IN, or radio function. Press **OFF** 1 to deactivate these functions

1 Plug the AC plug into a wall outlet.

2 Press MENU 4.



3 Press ALARM TIME SET +/- 2 to select "Sync Time By," then

press **ENTER** 3 to confirm.

The seconds start incrementing from zero.

4 Press ALARM TIME SET +/- 2 to select "None," then press **ENTER** 3 to confirm.

5 Press MENU 4. 6 Press ALARM TIME SET +/- 2 to select "Date & Time," then press **ENTER** 3 to confirm.

The year digits begin to flash in the display. 7 Press ALARM TIME SET +/- 2 to select the year, then press **ENTER** 3 to confirm. Press and hold **ALARM TIME SET +/-** 2 to change the year digits quickly. Once you confirm the setting by pressing **ENTER** 3, the month digits begin to

**8** Repeat step 7 to set the month, day, hour and minute.

• If you do not press any button for about 1 minute while setting the clock, the clock setting will • A 100-year calendar (2013 - 2112) is installed in the system. When the date is set, the day of the week is automatically displayed. MON = Monday, TUE = Tuesday, WED = Wednesday

• When "Sync Time By" is set to "None," the clock cannot be set via DAB data.

To change the time format

You can choose the displayed time format between the 24-hour system (default for customers in Europe) or the 12-hour system (default for customers in the UK). 1 Press MENU 4.

2 Press ALARM TIME SET +/- 2 to select "Time Format," then press **ENTER** 3 to confirm. 3 Press ALARM TIME SET +/- 2 to select "12 H" or "24 H," then

The time format toggles between the 12-hour system ("AM 12:00" = midnight)

and the 24-hour system ("0:00" = midnight). To change the date format

press **ENTER** 3 to confirm.

1 Press MENU 4.

2 Press ALARM TIME SET +/- 2 to select "Date Format," then press **ENTER** 3 to confirm.

3 Press ALARM TIME SET +/- 2 to select the desired date format, then press **ENTER** 3 to confirm.

#### **4** Touch the system with the smartphone. **How to Make Wireless Connection with** Keep touching the smartphone on the N marked part of the system until the smartphone responds. **BLUETOOTH Devices**

• If the screen of your smartphone is locked, the smartphone will not function. In this case

(BLUETOOTH) lights up

07-01-2013

release the lock, then touch the smartphone on the N marked part again.

Follow the on-screen instructions to establish the connection

• If it is difficult to establish the connection, try the following.

• Touch the system with the smartphone again to disconnect

Indications of the BLUETOOTH function

change the BLUETOOTH connection to the system.

marked part of the system.

If the smartphone is in a case, remove it.

The BLUETOOTH connection is established and " (BLUETOOTH)" in the display

– Activate the app "NFC Easy Connect" and move the smartphone slightly on the N

If you have multiple NFC compatible devices, just touch the smartphone to a different

07-01-2013

"BLUETOOTH" lights up

" (BLUETOOTH)" flashes

"
(BLUETOOTH)" lights up

"(BLUETOOTH)" flashes quickly

device to switch the connection to that device. For example, when your smartphone is

nected with NFC compatible headphones, just touch the smartphone to the system to

Smartphone responds (system recognized)

stays on.

Status

**BLUETOOTH** function

Pairing with a device

Searching for a device

Connected to a device

You can enjoy music and hands-free calling with the system wirelessly by using your device's BLUETOOTH function. Choose one of the following three connection methods, best suited for the BLUETOOTH device. For details on how to operate your device, refer to the

operating instructions supplied with the device. Pairing with a BLUETOOTH device: see Pattern A BLUETOOTH devices need to be "paired" with each other beforehand

Connecting with a paired device: see Pattern B To listen to music with a BLUETOOTH device that has been paired, see this

One-touch connection with a smartphone (NFC): See (Pattern C) Jsing an NFC compatible smartphone, you can establish BLUETOOTH connection by just touching the system with it.

For details about NFC, see "About NFC" in Pattern C Check the following before operating the system • Both the system and the device are placed within 1 m of each other. • The system is connected to a power source. • The operating instructions supplied with the device are kept at hand.

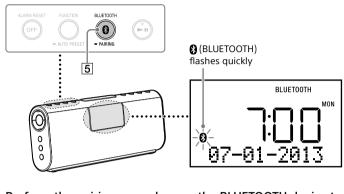
### Pattern A

# Pairing and connecting with a BLUETOOTH device

1 Set the BLUETOOTH function of the BLUETOOTH device to For details, refer to the operating instructions supplied with the device.

2 Press and hold @ BLUETOOTH - PAIRING 5 on the system until beeps are heard and "8 (BLUETOOTH)" begins to flash quickly in the display.

• From the factory, pairing information is not stored in the system. In this case, if you only press **BLUETOOTH** — PAIRING **5**, "**8** (BLUETOOTH)" starts flashing quickly in the



3 Perform the pairing procedure on the BLUETOOTH device to If "SONY: XDR-DS21BT" does not appear on the device's display, repeat from

• Some devices cannot display a list of detected devices 4 Select "SONY: XDR-DS21BT" shown in the display of the BLUETOOTH device.

5 If Passcode\* input is required on the display of the BLUETOOTH device, input "0000."

\* Passcode may be called "Passkey," "PIN code," "PIN number," or "Password."

The BLUETOOTH connection is established and " (BLUETOOTH)" in the display

• To pair with other BLUETOOTH devices, repeat steps 1 to 5 for each device. Pairing mode of the system is cancelled after about 5 minutes, and (8) (BLUETOOTH)" flashes slowly in the display. If the pairing mode is cancelled while performing this procedure, start

over from step 2. • Passcode of the system is fixed as "0000." The system cannot be paired with a BLUETOOTH Once BLUETOOTH devices are paired, there is no need to pair those devices again. However in the following cases, you will need to perform the pairing procedure again.

-The system is paired with 5 or more devices The system can be paired with up to 4 BLUETOOTH devices. If a new device is paired after 4 devices have been paired, the device whose latest connection time is the oldest among the 4 paired devices is replaced by the new one. • More than one device can be paired with the system, but sound will be heard from just one

Connecting with a paired BLUETOOTH device

1 Set the BLUETOOTH function of the BLUETOOTH device to

• When BLUETOOTH 5 is pressed, the system tries to establish BLUETOOTH connection with the BLUETOOTH device connected to the system last time. The BLUETOOTH is established and " (BLUETOOTH)" in the display stays on. • When " (BLUETOOTH)" lights up in the display, the system is connected to a BLUETOOTH device. When you want to connect another BLUETOOTH device, terminate the current

BLUETOOTH connection first by operating the connected BLUETOOTH device 2 Select "SONY: XDR-DS21BT" shown in the display of the BLUETOOTH device.

If necessary, select a BLUETOOTH profile that the system supports from the following: A2DP, HSP or HFP. For details on each profile, see "Listening to Music by BLUETOOTH Connection with a Smartphone, etc." or "Using Hands-free Calling While Listening to Music.

• This step may not be necessary for some devices.

The BLUETOOTH connection is established and " (BLUETOOTH)" in the display

# Pattern C

Connecting with a smartphone by One touch (NFC) By just touching the system with an NFC compatible smartphone, the system pairs and connects with the smartphone. (After making the BLUETOOTH

connection, the system switches to the BLUETOOTH function automatically.) **Compatible smartphones** • Smartphones with the NFC function built-in (OS: Android 2.3.3 or later, excluding Android 3.x)

Customers in Europe Access the following Web site for details: http://support.sony-europe.com

About NFC NFC (Near Field Communication) is a technology enabling short-range wireless communication between various devices, such as mobile phones and IC tags. Thanks to the NFC function, data communication can be achieved easily just by touching the relevant symbol or designated location on NFC compatible devices.

1 Set the NFC function of the smartphone to on. For details, refer to the operating instructions supplied with the smartphone. • If your smartphone OS is Android 2.3.3 or later, and less than Android 4.1: proceed to step 2.

• If your smartphone OS is Android 4.1 or later: proceed to step 4. 2 Download and install the app "NFC Easy Connect" on the smartphone.

"NFC Easy Connect" is an original app by Sony for Android phones, and is available at Google Play Store. Search for "NFC Easy Connect" or scan the following two-dimensional code to download and install the free app. Communication fees are required to The App may not be available in some countries and/or regions

• For some smartphones, One-touch connection may be available without downloading the app "NFC Easy Connect." In that case, the operation and specifications may be different from the description here. For details, refer to the operating instructions By the two-dimensional code

Use a two-dimensional code reader app.



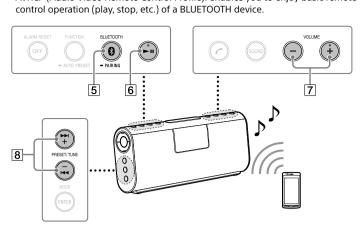
3 Start the app "NFC Easy Connect" on the smartphone. Make sure that the application screen is displayed.

# Listening to Music

# Listening to Music by BLUETOOTH Connection with a Smartphone, etc.

You can enjoy listening to music and basic remote control operation of a BLUETOOTH device via BLUETOOTH connection. The BLUETOOTH device is required to support the following BLUETOOTH profiles. • A2DP (Advanced Audio Distribution Profile): enables you to enjoy high-quality

audio content wirelessly. • AVRCP (Audio Video Remote Control Profile): enables you to enjoy basic remote control operation (play, stop, etc.) of a BLUETOOTH device.



Operations may vary depending on the BLUETOOTH device. Refer also to the operating instructions supplied with your BLUETOOTH device.

1 Make the BLUETOOTH connection between the system and the device.

For details on the BLUETOOTH connection procedure, see "How to Make Wireless Connection with BLUETOOTH Devices." The BLUETOOTH connection is established and " (BLUETOOTH)" in the display stays on.



**VOLUME -/+** 7 on the system.

• Turn off the BLUETOOTH device.

2 Start playback on the BLUETOOTH device, then adjust the Set the volume of the BLUETOOTH device to a moderate level, and press

After use Do any of the following to terminate the BLUETOOTH connection. • Set the BLUETOOTH function of the BLUETOOTH device to off. For details, refer

• Touch the system with the smartphone again to disconnect (NFC compatible

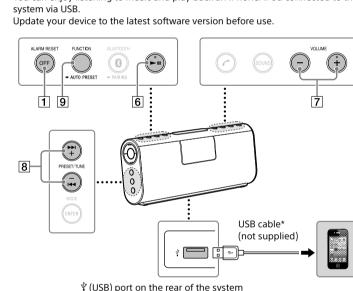
to the operating instructions supplied with the device.

System button functions during music playback You can operate a BLUETOOTH device that supports AVRCP. Available functions may vary depending on the BLUETOOTH device. Refer to the operating instructions supplied with the BLUETOOTH device. Buttons ▶II (play/pause) 6 Press once to pause/resume playback. ▶►I/► (forward/ Press once to skip to the next/previous track. rewind) 8 Press to adjust the volume. VOLUME -/+ 7

# **Listening to Music by Wired Connection**

### Listening to Music via USB Connection with an iPhone/iPod

You can enjoy listening to music and play back an iPhone/iPod connected to the system via USB.



\* USB cable: Use the Lightning to USB Cable or Dock Connector to USB Cable supplied with your iPhone/iPod

1 Connect the iPhone/iPod to the \(\foatin{center} \text{(USB) port on the rear of} \)

the system. 2 Press FUNCTION 9 to select "USB." Press **FUNCTION 9** repeatedly until "USB" lights up in the display.

3 Start playback on the connected iPhone/iPod, then adjust

Set the volume of the connected iPhone/iPod to a moderate level, and press

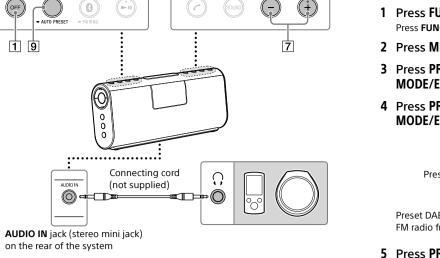
the **VOLUME -/+** 7 on the system. • When a USB device other than an iPhone/iPod is connected to the system, only charging begins automatically. • Do not connect the multiple devices to the  $\Psi$  (USB) port of the system.

After use Press **FUNCTION 9** or **OFF 1** to deactivate the USB function. System button functions during music playback

**Functions** ▶II (play/pause) 6 Press once to pause/resume playback. ▶►I/I◄ (forward/ • Press once to skip to the next/previous track. Press and hold to fast-forward/fast-rewind. rewind) 8 VOLUME -/+ 7 Press to adjust the volume.

### Listening to Music by Wired Connection with a Portable Audio Device, etc.

You can enjoy sound from the external device, such as a portable digital music player, through the speaker of this system. Be sure to turn off the power of the device before making any connections



1 Connect the device to the AUDIO IN jack on the rear of the

2 Press FUNCTION 9 to select "AUDIO IN."

3 Start playback on the connected device, then adjust the Set the volume of the connected device to a moderate level, and press the **VOLUME -/+** 7 on the system.

Press **FUNCTION 9** repeatedly until "AUDIO IN" lights up in the display.

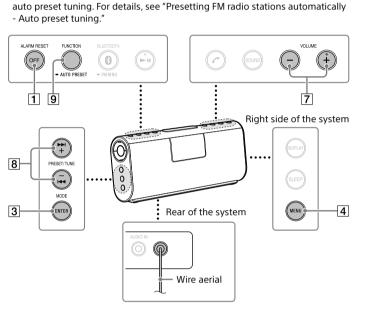
Press **FUNCTION 9** or **OFF 1** to deactivate the AUDIO IN function. To stop playback on the connected device, operate the connected device

Notes when connecting the device by wired connection • The necessary type of cable or connecting cord depends on the device. Be sure to use the correct type of cable or cord. • When you watching TV or listening to the radio with a device connected to the system, the reception may be poor. • When you listen to the radio with a device connected, turn off the connected device to prevent noise. If noise occurs, even when the device is turned off, disconnect and place the device away from the system

• You can use hands-free calling while the cable or connecting cord is used with this system **PRESET/TUNE +/-** 8 repeatedly to change the frequency step by step.

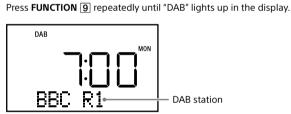
# Listening to Radio

The system can receive DAB and FM radio stations - DAB stations: When setting the clock for the first time, the system automatically starts scanning, then creates a list of receivable DAB stations. – FM stations: It is recommended to preset receivable FM stations in your area by



# Listening to DAB stations

1 Press FUNCTION 9 to select "DAB."



If the system has not yet created a list of receivable DAB stations, it will automatically scan for receivable DAB stations, and create a list.

2 Press MENU 4.

3 Press PRESET/TUNE +/- 8 to select "Tune Mode," then press **MODE/ENTER** 3 to confirm.

4 Press PRESET/TUNE +/- 8 to select "Tune," then press **MODE/ENTER** 3 to confirm. 5 Press PRESET/TUNE +/- 8 to select the desired DAB station.

If a selected DAB station has finished broadcasting, "No Service" appears in the display, and no sound will be heard. In this case, select another station.

details on "Auto Scan," see "Useful DAB menu functions

6 Press **VOLUME** -/+ 7 to adjust the volume. • You can select "Tune Mode" by pressing MODE/ENTER 3 instead of MENU 4 in step 2. Press MODE/ENTER 3 repeatedly until "Tuning Mode" appears in the display. "Tuning Mode appears for about 2 seconds, and changes to the DAB station, then proceed to step 5. You can preset up to 20 DAB stations. For details, see "Presetting DAB or FM radio stations."

 DAB broadcasts with poor quality reception may be selected when auto scan is performed. In this case, perform manual tune, which may improve reception. By selecting "Manual Tune" from the DAB menu, you can perform manual tune. For details on "Manual Tune," see "Useful DAB menu function."

• By selecting "Auto Scan" from the DAB menu, you can perform auto scan on the system. For

About SC (Secondary Component) If the selected primary component has a secondary component, "SC" flashes in Press **PRESET/TUNE +/-** 8 to receive the desired secondary component. "SC"

lights up while a secondary component is being received.  $\bullet$  When a selected secondary component has finished, the system automatically returns to the

preset tuning You can preset receivable FM radio stations in your area automatically by auto preset tuning. You can preset up to 20 FM stations

Presetting FM radio stations automatically - Auto

Press **FUNCTION 9** repeatedly until "FM" lights up in the display. 2 Press MENU 4.



1 Press **FUNCTION** 9 to select "FM."

3 Press PRESET/TUNE +/- 8 to select "Auto Preset," then press MODE/ENTER 3 to confirm.

4 Press PRESET/TUNE +/- 8 to select "Yes," then press MODE/ **ENTER** 3 to confirm. Receivable FM radio stations will be preset automatically in order of frequency.

• To cancel auto preset tuning, press **OFF** 1.

### Listening to preset DAB or FM radio stations

You can listen to a radio station by simply selecting a preset number. – DAB stations: You can preset up to 20 DAB stations. For details, see "Presetting DAB or FM radio stations manually." – FM stations: It is recommended to preset receivable radio stations in your area by auto preset tuning. You can also manually preset a radio station which

cannot be preset automatically. For details, see "Presetting DAB or FM radio

1 Press FUNCTION 9 to select "DAB" or "FM."

Press **FUNCTION 9** repeatedly until "DAB" or "FM" lights up in the display. 2 Press MENU 4.

3 Press PRESET/TUNE +/- 8 to select "Tune Mode," then press **MODE/ENTER** 3 to confirm.

4 Press PRESET/TUNE +/- 8 to select "Preset," then press **MODE/ENTER** 3 to confirm.

the desired DAB or FM station.

appears for about 2 seconds, and changes to the preset DAB station or FM radio frequency, Listening to FM radio by manual tuning

1 Press FUNCTION 9 to select "FM."

2 Press MODE/ENTER 3 to select the manual tuning mode. Press MODE/ENTER 3 repeatedly until "Tuning Mode" appears in the display.

digits begin to change quickly in the display. The system automatically scans FM radio frequencies and stops when it finds a clear station (automatic tuning mode).

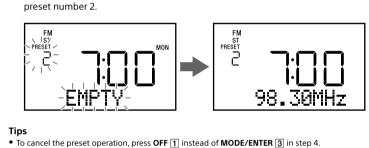
If you cannot tune to a station using the automatic tuning mode, press

4 Press **VOLUME** -/+ 7 to adjust the volume.

Presetting DAB or FM radio stations manually You can manually preset up to 20 DAB stations and 20 FM stations.

2 Press MENU 4. 3 Press PRESET/TUNE +/- 8 to select "Manual Preset," then press MODE/ENTER 3 to confirm.

press MODE/ENTER 3 to confirm. The station is assigned to the selected preset number. Example: The display will appear as follows if you preset FM 98.3 MHz to



Clear" in step 3 above, then press **PRESET/TUNE +/-** 8 to select "Yes," and then press MODE/ENTER 3 to clear all preset stations. After use

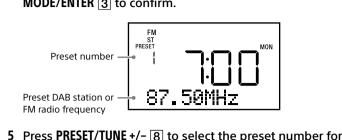
• If stereo FM reception is noisy, set the system to monaural reception.

To improve reception

"MONO" lights up in the display. Noise will be reduced, although sound will be Notes on radio reception

system, interference with radio reception may occur. In this case, terminate BLUETOOTH onnection, or disconnect the USB device from the system.

• You can use hands-free calling while listening to the radio on this system.



6 Press VOLUME -/+ 7 to adjust the volume.

• You can select "Tune Mode" by pressing **MODE/ENTER** 3 instead of **MENU** 4 in step 2. Press MODE/ENTER 3 repeatedly until "Preset Mode" appears in the display. "Preset Mode"

Press **FUNCTION 9** repeatedly until "FM" lights up in the display.

"Tuning Mode" appears for about 2 seconds, and changes to the FM radio 3 Press and hold PRESET/TUNE +/- 8 until the frequency

1 Tune to a DAB or FM station you want to preset.

"PRESET" and the preset number flash, and the DAB station or FM frequency 4 Press PRESET/TUNE +/- 8 to select the preset number, then

Press **FUNCTION 9** or **OFF 1** to deactivate the radio function.

• Extend the wire aerial fully to increase reception sensitivity.

Keep the wire aerial away from the AC power cord.

Press MENU 4 and press PRESET/TUNE +/- 8 to select "Mode," then press ENTER 3. Press PRESET/TUNE +/- 8 to select "Mono," then press ENTER 3.

• Keep digital music players or mobile phones away from the wire aerial; otherwise, reception

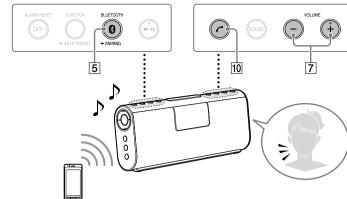
• When you are listening to radio with a BLUETOOTH device or USB device connected to the

# Useful Functions

## **Using Hands-free Calling While Listening** to Music

mobile phone that has a music function and supports the BLUETOOTH profile A2DP (Advanced Audio Distribution Profile), and HFP (Hands-free Profile) or HSP (Headset Profile). If your BLUETOOTH mobile phone supports both HFP and HSP, set to HFP.

You can enjoy hands-free calling via BLUETOOTH connection with a BLUETOOTH



Operations may vary depending on the BLUETOOTH mobile phone. Refer also to the operating instructions supplied with your mobile phone.

#### 1 Make the BLUETOOTH connection between the system and the mobile phone. For details on the BLUETOOTH connection procedure, see "How to Make

Wireless Connection with BLUETOOTH Devices." The BLUETOOTH connection is established and " (BLUETOOTH)" in the display stays on.

#### 2 Start playback on the BLUETOOTH mobile phone, then adjust the volume.

Set the volume of the BLUETOOTH mobile phone to a moderate level, and press **VOLUME -/+** 7 on the system. When the BLUETOOTH device is connected to the system ("
(B) (BLUETOOTH)" is lit), you can use hands-free calling even if the BLUETOOTH function is not

# When there is an incoming call or outgoing call, the system automatically

changes to the BLUETOOTH function.

#### Operate the BLUETOOTH mobile phone. Check that a dialing tone is heard on the system and talk into the system. If no dialing tone is heard, press 🌈 (call) 🔟 on

the system for about 2 seconds to change the call device to the system.

#### When an incoming call arrives, the playback or radio pauses and a ring tone is heard from the system. Press (call) 10 on the system and talk into the system.

• If no ring tone is heard from the system when an incoming call arrives, stop playback or radio

- and press (call) 10 to talk. You can use the hands-free calling when playback is completed • During a call, press **VOLUME -/+** 7 on the system to adjust the volume. The volume of a call
- and that of a playback are set separately.

• When using a mobile phone, keep it 50 cm or more away from the system. If they are too close together, noise may be heard.

Press (call) 10. If you were listening to music with any function when the call arrived, music will be resumed when the call has finished

# Do any of the following to terminate the BLUETOOTH connection.

• Set the BLUETOOTH function of the BLUETOOTH device to off. For details, refer to the operating instructions supplied with the device. • Turn off the BLUETOOTH device.

• Touch the system with the smartphone again to disconnect (NFC compatible smartphones only).

#### System button functions during a call Available functions may vary depending on the BLUETOOTH mobile phone, or the

profiles supported by the BLUETOOTH mobile phone. Refer to the operating instructions supplied with the BLUETOOTH mobile phone

Status	<b>←</b> (call) 10
Standby	<ul> <li>Press once to start voice dial (voice dial compatible mobile phones only).</li> <li>Press and hold for a few seconds to redial the phone number that is dialed last time.</li> </ul>
Outgoing call	<ul> <li>Press once to cancel outgoing call.</li> <li>Press and hold for a few seconds to change call device between the system and mobile phone.</li> </ul>
Incoming call	<ul><li>Press once to answer call.</li><li>Press and hold for a few seconds to reject call.</li></ul>
During call	<ul><li>Press once to finish call.</li><li>Press and hold for a few seconds to change call</li></ul>

#### Using Hands-free Calling with Another BLUETOOTH Mobile Phone While Listening to Music

device between the system and mobile phone.

You can enjoy hands-free calling with another BLUETOOTH mobile phone while listening to music with a BLUETOOTH music player. • One-touch connection (NFC) cannot be used in this procedure

• Operations may vary depending on the BLUETOOTH device. This type of BLUETOOTH connection may not be established depending on the combination of the BLUETOOTH devices. Refer also to the operating instructions supplied with your BLUETOOTH devices.

#### 1 Make the BLUETOOTH connections between the system and a BLUETOOTH music player via A2DP, and between the system and a BLUETOOTH mobile phone via HFP or HSP. For details on the BLUETOOTH connection procedure, see "How to Make Wireless Connection with BLUETOOTH Devices." The BLUETOOTH connection is

established and " (BLUETOOTH)" in the display stays on. • To use only the calling function of a BLUETOOTH mobile phone that also has a music

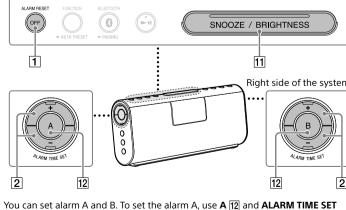
function, establish BLUETOOTH connection between the system and the mobile phone via HFP or HSP, not via A2DP. • Depending on the BLUETOOTH mobile phone, while the BLUETOOTH connection is established via HFP or HSP, the other BLUETOOTH connection via A2DP may also be occupied by the same BLUETOOTH mobile phone. A BLUETOOTH music player cannot be connected with this system in this case.

• To make the same connection with the same devices after turning the system off, follow

# **Setting the Alarm**

• You can set the alarm mode from the following. - "DAB," "FM": Set the radio alarm. - "USB": Set the alarm to sound from an iPhone/iPod via USB connection.

- "BLUETOOTH": Set the alarm to sound from a BLUETOOTH device, such as smartphone, iPod, etc., via BLUETOOTH connection. - "BUZZER": Set the buzzer alarm.
- Set the clock to the current time before setting the alarm, so that the alarm will sound at the correct time. (See "Setting the clock for the first time.")



+/- 2. To set alarm B, use **B** 12 and **ALARM TIME SET** +/- 2. The following explains how to set the alarm A. 1 Press and hold A 12 until the hour begins to flash in the

"A" and "WAKE UP" light up and the hour flashes in the display.



#### 2 Press ALARM TIME SET +/- 2 to select the following setting items, then press **A** 12 to confirm.

Once you confirm the setting by pressing **A**  $\boxed{12}$ , the following setting item • Hour, minute: Press and hold ALARM TIME SET +/- 2 to change the hour and minute digits quickly.

Every day: "MON TUE WED THU FRI SAT SUN"

Week day: "MON TUE WED THU FRI"

Each time you press **ALARM TIME SET +/-** 2, the currently selected item

• Days of the week: Select one of the following three types. 3 Press ALARM TIME SET +/- 2 to select the alarm mode, then

#### press A 12 to confirm. Select one of the following • "DAB," "FM": Set the radio alarm. Proceed to step 4.

• "USB": Set the alarm to sound from an iPhone/iPod via USB connection. Skip step 4, and proceed to step 5.

• "BUZZER": Set the buzzer alarm. The alarm setting is completed. The

• "BLUETOOTH": Set the alarm to sound from a BLUETOOTH device, such as smartphone, iPod, etc., via BLUETOOTH connection. Skip step 4, and proceed

display returns to clock and "A" lights up in the display. You do not need to 4 Press ALARM TIME SET +/- 2 to select the radio station,

### then press A 12 to confirm. Select the desired preset number or "- -." "- -" is the last station you listened

The alarm setting is completed. The display returns to clock and "A" lights up

5 Press ALARM TIME SET +/- 2 to adjust the volume, then

#### **6** When "USB" or "BLUETOOTH" is selected as the alarm mode, connect an iPhone/iPod via USB or a BLUETOOTH device before the alarm sounds.

the system tries to establish BLUETOOTH connection with the BLUETOOTH device connected to the system last time. If the system cannot connect to the BLUFTOOTH device, or does not connect to an iPhone/iPod via USB, the alarm will be the buzzer. If you set "USB" as the alarm mode, and a smartphone is connected via USB. the alarm will be the buzzer.

If the system does not connect to the BLUETOOTH device, at the alarm time.

# To stop the alarm

press A 12 to confirm.

Press **ALARM RESET** 1 to turn off the alarm. The alarm will sound again at the same time the next day.

# To doze for a few more minutes – Snooze function

1 Press **SNOOZE** 11 once while the alarm sounds. The alarm sound turns off but will automatically come on again after about 10

You can change the snooze time as follows by pressing **SNOOZE** 11

 $\rightarrow$  10  $\rightarrow$  20  $\rightarrow$  30  $\rightarrow$ L 60 ← 50 ← 40 ←

# To stop the snooze timer, press ALARM RESET 1

То	Do this
Confirm an alarm time setting	Press <b>ALARM TIME SET +/- 2</b> . The setting will be displayed for about 4 seconds.
Change an alarm time setting	1 Press and hold ALARM TIME SET +/- 2 until the alarm time digits begin to change in the display. You can change the alarm time step by step by pressing ALARM TIME SET +/- 2 repeatedly.
	2 Release ALARM TIME SET +/- 2 when the desired alarm time is displayed.
Turn off the alarm sound once	Press <b>SNOOZE</b> [1] once while the alarm sounds.
Stop the alarm	Press ALARM RESET 1.
Deactivate the alarm	Press <b>A</b> 12 again. "" turns off in the display, and the alarm function is

• Even if the alarm is deactivated, the alarm will be activated when you change the alarm

To activate the alarm again, press A 12 again

• When "USB" or "BLUETOOTH" is selected as the alarm mode, only the buzzer alarm will sound if an iPhone/iPod is not connected via USB, or a BLUETOOTH device is not connected, or music is not stored in the device, or the device is turned off. The volume of the buzzer is not adjustable.

• If the same alarm time is set for both alarm A and B, alarm A takes priority. ullet If no operation is performed while the alarm is sounding, the alarm will stop after about 60

#### Notes on the alarm in the event of a power interruption In the event of a power interruption, the buzzer alarm will last about 5 minutes if the battery is not weak. However, certain functions will be affected as follows: The backlight will not light up.

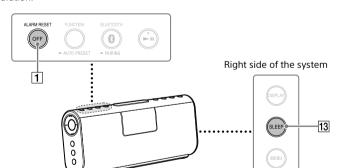
• If the alarm mode is set to "USB." "BLUETOOTH," "FM" or "DAB." it will change to buzzer

 If ALARM RESET 1 is not pressed, the alarm will sound for about 5 minutes. If "△¬" lights up in the display, the alarm will not sound in the event of a power interruption. Replace the battery if "△¬" lights up.

• The snooze function cannot be set during a power interruption • During a power interruption, each alarm will sound at the set time only once.

# **Setting the Sleep Timer**

You can fall asleep listening to radio or music from the connected device using the sleep timer. The system stops radio or playback automatically after a preset



#### 1 Press **SLEEP** 13 while listening to radio or music. "SLEEP" lights up and the sleep time duration begins to flash in the display.

2 Press **SLEEP** 13 to select the sleep time duration. You can change the sleep time duration (in minutes) as follows by pressing

**SLEEP** 13 repeatedly. Only "OFF" does not flash.  $90 \longrightarrow 60 \longrightarrow 30 \longrightarrow 15$ \_\_\_\_ OFF ←\_\_\_

The sleep time duration flashes for a few seconds, then the display returns to the clock. The sleep timer setting is completed and the sleep timer starts. "SLEEP" lights up in the display, and the system will stop radio or playback automatically after the setting duration

#### To stop listening before the preset time Press **OFF** 1.

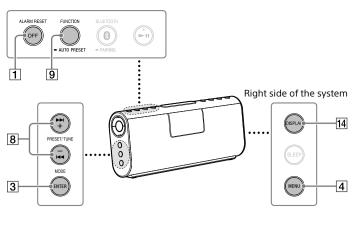
To change the sleep timer setting Press **SLEEP** [13]. You can change the sleep time duration after the sleep timer has

# To deactivate the sleep timer

Press **SLEEP** 13 to select "OFF."

• Music playback on a device connected to the **AUDIO IN** jack does not stop automatically. To stop playback on the connected device, operate the connected device. • When the alarm time is set during the sleep timer duration, the sleep timer will be deactivated automatically when the alarm sounds.

# **Useful DAB Functions**



Changing the display During DAB station reception, you can change the display mode by pressing DISPLAY 14.

• The selected display mode is retained, even if you turn the system off, or change the station.

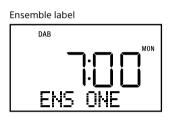
1 Press DISPLAY 14. Each time you press **DISPLAY** [14], the display changes as follows.

Component label 07-01-2013 Dynamic label

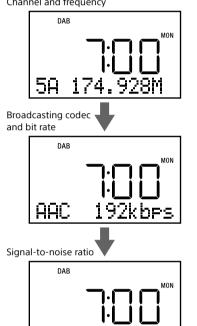
• "Dynamic Labels" in DAB broadcasts display useful information, such as programme content, traffic updates, etc. A dynamic label can be up to 128 characters in length. Up to 12 characters can be shown

### 2 Press and hold DISPLAY 14.

Never say 9o



3 Press DISPLAY 14. Each time you press **DISPLAY** 14, the display changes as follows. Channel and frequency



By pressing **DISPLAY** [14] while the signal-to-noise ratio is shown, the display

returns to step 1, or the display returns automatically after a few seconds. • If there is no component label, "No Label" is displayed.

• If there is no ensemble label, "No Label" is displayed If there is no programme type, "None" is displayed. • If there is no dynamic label, the lower line of the display is blank • Characters that cannot be displayed appear as " '

• Depending on the broadcasting station, the characters in dynamic labels may not be

# **Useful DAB menu functions**

Si9nal:98

The DAB menu includes several convenient functions. To display the DAB menu, do the following.

1 Press FUNCTION 9 to select "DAB." Press **FUNCTION** [9] repeatedly until "DAB" lights up in the display. 2 Press MENU 4.

The DAB menu is displayed.

3 Press PRESET/TUNE +/- 8 to select an item (see table below), then press ENTER 3 to confirm.

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Menu item	Function and operation	
Stations	Allows you to select a station while listening to another one.	
	1 Press PRESET/TUNE +/- 8 to select "Stations," then press ENTER 3 to confirm.	
	2 Press PRESET/TUNE +/- 8 to select the desired station, then press ENTER 3 to confirm.	
Manual Preset	See "Presetting DAB or FM radio stations manually."	
Tune Mode	See "Listening to DAB stations" and "Listening to preset DAB or FM radio stations."	

Automatically scans receivable DAB stations, then Auto Scan creates a list of those stations 1 Press PRESET/TUNE +/- 8 to select "Auto Scan," then press **ENTER** 3 to confirm 2 Press PRESET/TUNE +/- 8 to select "Yes," then press **ENTER** 3 to confirm.

The system starts to scan, then creates a list of

receivable DAB stations. When auto scan is performed, an existing list will be updated and preset stations will be cleared. Preset desired stations again as necessary. Allows you to tune and add DAB Band-III channels to Manual Tune

your station list. Can be used to assist with positioning the system or aerial, to optimize reception of a specific channel/ 1 Press PRESET/TUNE +/- 8 to select "Manual Tune," then press **ENTER** 3 to confirm.

> 2 Press PRESET/TUNE +/- 8 to select the desired DAB channel, then press **ENTER** 3 to confirm. The system searches stations, then creates a list of all stations belonging to the channel. 3 Press PRESET/TUNE +/- 8 to select the desired

• If the desired channel selected in step 2 cannot be received, press MENU 4 to select another channel

station, then press **ENTER** 3 to confirm.

#### Function and operation Menu item

RANGE CONTROL) is used in a noisy environme For DAB broadcasts with dynamic range compression you can adjust the dynamic range by this system. 1 Press PRESET/TUNE +/- 8 to select "DRC Value," then press **ENTER** 3 to confirm. 2 Press PRESET/TUNE +/- 8 to select the DRC level, then press **ENTER** 3 to confirm The DRC level changes as follows: ← 1 (default) • DRC is effective only for dynamic range compression • When you adjust the DRC level, sound may be perceived as Automatically deletes stations that are no longer 1 Press PRESET/TUNE +/- 8 to select "Prune," then press **ENTER** 3 to confirm. The system deletes unavailable stations. When

PTY (Programme Type)

**PTY list** 

Programme type

Current Affairs

Education

Culture

Science

Pop Music

**Rock Music** 

Light Classical

Other Music

Weather

Finance

Religior

Leisure

Jazz Music

Country Music

Nation Music

Oldies Music

Documentary

Folk Music

Phone In

Social Affairs

Serious Classical

Children's programme

Easy Listening Music

SPORTS, etc., as shown in the PTY list below.

DRC Value (DYNAMIC Makes quieter sounds easier to hear when the system

finished, "Finish!" appears for about one second, then

the system returns to the current station.

This function displays the current DAB broadcast programme type, such as NEWS,

None

News

Affairs

Sport

Educate

Drama

Science

Arts

Talk

Pop

Rock

Easy

Classics

Classics

Other M

Weather

Finance

Children

Factual

Religion

Phone In

Travel

Leisure

Country

Nation M

Document

Oldies

Folk

**Enjoying the Sound Effect Setting** 

1 Press **SOUND** 15 to select the sound effect.

The sound effect setting lights up in the display.

07-01-2013

repeatedly.

Display

MEGA BASS

**MEGA BASS** 

MEGA Xpand

MEGA Xpand

SOUND

You can change the sound effect as follows by pressing **SOUND** 15

High-quality bass sound will be heard.

Surround sound will be heard.

The sound effect is off.

Both high-quality bass and surround sound will be

Sound effect

Jazz

If the current DAB broadcast does not include programme type, "NO PTY Data"

# Replacing the Battery

# CAUTION

**▶** Others

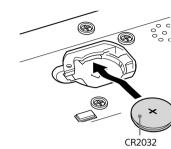
# When to replace the battery

When the battery becomes weak, "🌣 " lights up in the display. If a power interruption occurs while the battery is weak, the current time and alarm will be erased Replace the battery with a Sony CR2032 lithium battery. Use of another battery may cause a fire or explosion

1 Keep the AC plug connected to the wall outlet, then open the battery compartment on the bottom of the system.

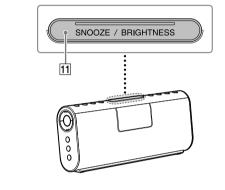


compartment with the **t** side facing up.



on the system to turn off "\(\sigma\)" in the display.

current date, current time, alarm and station presets will be erased • If you are not going to use the system for a long time, remove the battery to avoid any lamage that may be caused by leakage or corrosion.



You can change the four levels of brightness as follows by pressing **BRIGHTNESS** 11 repeatedly.

Middle ← Low

Even if brightness level is set to Off, it will change to Low while the alarm is

Time display

**Amplifier section** 

. 2 W + 2 W (10 % T.H.D., 1 kHz, 5 Ω) Input Stereo mini jack × 1 **USB** section

USB input: Maximum 44.1 kHz/16 bit

**Communication System** BLUETOOTH Specification version 3.0 **BLUETOOTH Specification Power Class 2** Maximum communication range Line of sight approx. 10 m\*1

Modulation method Compatible BLUETOOTH Profiles\*2 HSP (Headset Profile) HFP (Hands-free Profile SPP (Serial Port Profile)

20 Hz - 20,000 Hz (Sampling frequency 44.1 kHz)

communication between devices \*3 Codec: Audio signal compression and conversion format

Omni directional

200 Hz – 3,600 Hz

Direction characteristic

**3** Replace the battery compartment lid and tighten the

4 Press FUNCTION. @ BLUETOOTH or SNOOZE/BRIGHTNESS

• When you replace the battery, do not disconnect the plug from the AC outlet. Otherwise, the

## **Setting the Brightness of the Display**

1 Press BRIGHTNESS 111.

Press and hold **BRIGHTNESS** [11] to turn off the display directly

# **Specifications**

Switching between 24-hour system (default for customers in Europe) or the 12-hour system (default for customers in the UK).

#### Speaker section Speaker system 50 mm Enclosure type Bass reflex

Reference output power

USB port (type A) Input Supported sampling frequencies/bit

**BLUETOOTH** 

Frequency band 2.4 GHz band (2.4000 GHz - 2.4835 GHz)

A2DP (Advanced Audio Distribution Profile) AVRCP (Audio Video Remote Control Profile)

Transmission range (A2DP)

\*1 The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, reception sensitivity, aerial's performance, operating system, software application, etc. \*2 BLUETOOTH standard profiles indicate the purpose of BLUETOOTH

\*4 Subband Codec Microphone

Effective frequency range:

# Frequency range

and	Frequency	Frequency step		
AB (Band-III)	174.928 MHz - 239.200 MHz			
М	87.5 MHz - 108 MHz	0.05 MHz		
B (Band-III) frequency table (MHz)				
0.	Channel	Frequency		
	5A	174.928		
	5B	176.640		
	5C	178.352		
	5D	180.064		
	6A	181.936		
	6B	183.648		
	6C	185.360		
	6D	187.072		
	7A	188.928		
)	7B	190.640		
	7C	192.352		
!	7D	194.064		
1	8A	195.936		
ļ	8B	197.648		
	8C	199.360		
,	8D	201.072		
•	9A	202.928		
3	9B	204.640		
)	9C	206.352		
)	9D	208.064		
	10A	209.936		
2	10B	211.648		
3	10C	213.360		
1	10D	215.072		
5	11A	216.928		
5	11B	218.640		
7	11C	220.352		
3	11D	222.064		
)	12A	223.936		

# sound will only be output from the left

3 V DC, CR2032 battery (1) Approximately 281 mm  $\times$  126 mm  $\times$  80 mm (w/h/d) Approximately 1.3 kg including batteries Supplied accessories

225.648

227.360

229.072

230.784

232,496

234.208

235.776

237.488

239.200

### Compatible iPhone/iPad/iPod models The compatible iPhone/iPad/iPod models are as follows.

Update the software of the iPhone/iPad/iPod to the latest version before using it with this system

Operating Instructions (this document) (1)

13A

13B

13D

230 V AC, 50 Hz, 18 W

**BLUETOOTH Startup Guide (1)** 

#### **USB** works with iPhone 5s

iPhone 5c iPhone 5 iPhone 4s iPhone 4 iPod touch (5th generation iPod touch (4th generation) iPod touch (3rd generation) iPod classic

iPod nano (7th generation

General

For clock back up

iPod nano (6th generation) iPod nano (5th generation) iPod nano (4th generation)

Wireless music streaming compatible models iPhone 5c iPhone 5 iPhone 4s iPhone 4

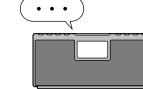
iPhone 3GS iPad mini with Retina display iPad (4th generation) iPad (3rd generation)

iPod touch (5th generation)

iPod touch (4th generation)

iPod touch (3rd generation) iPod nano (7th generation) Design and specifications are subject to change without notice.

# **Troubleshooting**



ON

No sound / Sound from only one speaker / Low sound



Turn up the volume of the system and the connected device.

Check that both plugs of the

connecting cord (not supplied) or both

connectors of the USB cable (not

Pair this system and the BLUETOOTH

"USB" or "AUDIO IN") is activated.

(□)



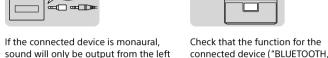
Check that the connected device is being played back.

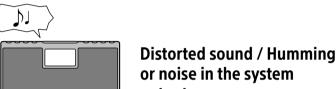
If you are connecting a personal

Check that both this system and the



computer to the system, make sure the audio output setting of the computer is set for a BLUETOOTH

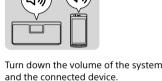




output

(EQ OFF)

If the connected device has ar



equalizer function, set it to off.





device when HFP or HSP is set.

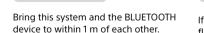
Switch the BLUETOOTH connection to Keep the system away from a TV. A2DP by operating the BLUETOOTH

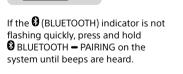


radio or tuner to this system, broadcasts may not be received, or sensitivity may be reduced. Locate the system farther away from the device and check that you can listen to the broadcasts satisfactorily.

If you connect a device with a built-in









ON

Check that both this system and the

connected device are turned on.

Select HFP or HSP BLUETOOTH

connection by operating the

BLUETOOTH device.

part of the system.

(NFC App

Check that the "NFC Easy Connect"

NFC receiving sensitivity depends on

the device. If you fail to connect with a

smartphone by One touch several

•••

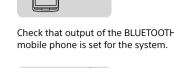
(HFP/HSF

devices: No voice / Low voice from recipient







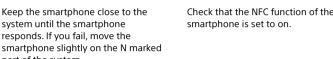


Turn up the volume of the system and the connected device.



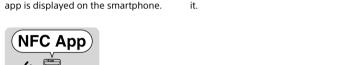


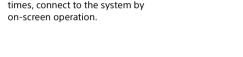






If the smartphone is in a case, remove

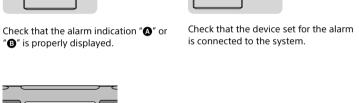




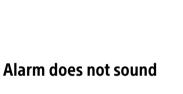














Clock is not displayed correctly





replace the battery with a new one.